Attached hereto is a marked-up version of the changes made to the specification by the amendment. The attached pages are entitled "VERSION WITH MARKINGS TO SHOW CHANGES MADE."

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 650-326-2400.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

The paragraph beginning on page 17, line 35, has been amended as follows:

The nucleotide sequence of a cDNA sequence encoding one B-hPDGF-R allele is set forth in Table 2 together with the deduced amino acid sequence of the receptor (SEQ ID NOS:1-2). The following descriptions indicate presumed gross structural and functional characterizations based upon analogy to the mouse and other growth factor receptors and proteins.

The paragraph beginning on page 20, line 1, has been amended as follows:

The nucleotide sequence of a cDNA sequence encoding one allele of a type A hPDGF-R is set forth in Table 3, together with the deduced amino acid sequence of the receptor (SEQ ID NOS:3-4). The structural features, as described, are again based upon analogy to the mouse PDGF receptors and other growth factor receptors and proteins.

Table 4 on page 62 has been replaced with the following amended table:

Peptides	Sequence	SEQ ID NO.
Y719	GGYMDMSKDESIDYVPMLDM	SEQ ID NO:5
Y719P	GGYMDMSKDESIDYVPMLDM	SEQ ID NO:6
Y708P	GGYMDMSKDESIDYVPMLDM	SEQ ID NO:7
Y719P short	MDMSKDESIDYVPMLDM	SEQ ID NO:8
Y708P short	GGYMDMSKDESID	SEQ ID NO:9
Y708P/F719	GGYMDMSKDESIDFVPMLDM	SEQ ID NO:10
[Y]F708/Y719P	GGFMDMSKDESIDYVPMLDM	SEQ ID NO:11
Y708/Y719P	GGYMDMSKDESIDYVPMLDM	SEQ ID NO:12

Y719P scrambled	MMDIKVPMDEYMSDYSDLGG	SEQ ID NO:13

The asterisks (*) indicate the position of a phosphate group

The paragraph beginning on page 73, line 25, has been amended as follows:

The type A receptor was isolated as described for the type B receptor, above, except that different probes were used and hybridization and screening were performed under low stringency conditions, as described below. In particular, a region in the type B receptor tyrosine kinase sequence having a high degree of homology to published tyrosine kinase amino acid sequences was identified and had the amino acid sequence, HRDLAARN (amino acid residues 816-823 of SEQ ID NO:2). Oligonucleotide probes encoding the tyrosine kinase consensus sequence were prepared having the following sequences (SEQ ID NO:14):

GTT(G/C)CGXGCXGCCAGXTC(G/C)CGXTG,

where G/C indicates either G or C was used and X indicates any of A, T, C or G was used. The human placenta λGT10 cDNA library was screened as described above but with low stringency conditions using a buffer with 6X SSC 0.1% SDS and 5X Denhardt's solution at 42°C as follows. Filters were screened by washing at 52°C in 2X SSC. A clone encoding the type A receptor was isolated and sequenced by the procedure described for the type B receptor gene.